

What Is Claimed Is:

1. A data output apparatus, comprising:
 - a processing memory that processes input job data;
 - an output unit that, after processing of data sent to said processing memory, outputs said data;
 - a mounting unit for mounting of the expansion memory used for data storage;
 - a detection unit that detects whether or not an expansion memory has been mounted to said mounting unit; and
 - a controller that, where said job is a job in which the identical data is to be output multiple times, (i) selects, based on the results of the detection by said detection unit, the storage destination memory for the data for the second output session and beyond and stores the data therein, and (ii) reads out said data from this storage destination memory and performs output for the second output session onward using the output unit.
2. The data output apparatus according to Claim 1, wherein if it is detected by said detection unit that an expansion memory is mounted, said controller stores the data used for said second output session onward in said expansion memory, while if it is not detected by said detection unit that an expansion memory is mounted, said controller stores the data used for said second output session onward in said processing memory.
3. The data output apparatus according to Claim 2, wherein if it is detected by said detection unit that an expansion memory is mounted, said controller outputs the data processed in said processing memory as is for the first output session.
4. The data output apparatus according to Claim 1, wherein said controller determines the storage format for the data used for the second output session onward in accordance with the results of the detection by said detection unit.
5. The data output apparatus according to Claim 4, wherein where the job is a print job sent from an external device, if the mounting of an expansion memory is detected by said detection unit, said controller stores the input data in said expansion memory in the format of the image data resulting from processing in said processing memory, while if the mounting of an expansion memory is not detected by the detection unit, said controller stores the input data in said processing memory in the data's format prior to its processing in said processing memory.
6. The data output apparatus according to Claim 1, further comprising one or more compression/decompression unit(s) that compress data and decompress compressed data.
7. The data output apparatus according to Claim 6, wherein said expansion memory stores data compressed by said compression/decompression unit(s).
8. A printer, comprising:
 - a receiving unit that receives print jobs;
 - a processing memory that processes image data for print jobs received by said receiving unit;
 - a printer unit that prints image data after it has been processed in said processing memory;
 - a mounting unit used for mounting of an expansion memory for data storage;
 - a detection unit that detects whether or not an expansion memory is mounted to said mounting unit; and
 - a controller that, where the job is a job in which multiple copies of identical images are to be printed, (i) selects the storage destination memory for the image data for the second output session and beyond based on the results of the detection by said detection unit, and stores the image data therein, and (ii) reads out said image data from this storage destination memory and executes printing for the second copy onward via said printer unit.

9. The printer according to Claim 8, wherein if it is detected by said detection unit that an expansion memory is mounted, said controller stores the image data used for printing of the second copy onward in said expansion memory, while if it is not detected by said detection unit that an expansion memory is mounted, said controller stores the image data used for printing of the second copy onward in said processing memory.

10. The printer according to Claim 9, wherein if it is detected by said detection unit that an expansion memory is mounted, said controller prints out the first copy using the image data processed in said processing memory.

11. The printer according to Claim 8, wherein said controller determines the storage format for the image data used for the second copy onward in accordance with the results of the detection by said detection unit.

12. The printer according to Claim 8, further comprising one or more compression/decompression unit(s) that compress image data and decompress compressed data.

13. The printer according to Claim 12, wherein said expansion memory stores data compressed by said compression/decompression unit(s).

14. A printer comprising:
a receiving unit that receives print jobs;
a work memory that includes a storage area used for storing image data for print jobs received by said receiving unit, as well as a processing area used for converting image data to raster images;
a printer unit that prints image data after it has been processed in said processing area;
a mounting unit used for mounting of an expansion memory for data storage;
a detection unit that detects whether or not an expansion memory is mounted to said mounting unit; and
a controller that, where the job is a job in which multiple copies of identical images are to be printed, (i) if it is detected by said detection unit that an expansion memory is mounted, stores the image data stored in said work memory in said expansion memory and executes printing for the second copy onward via the printer unit using the image data stored in said expansion memory, and (ii) if it is not detected that an expansion memory is mounted, executes printing for the second copy onward via the printer unit using the image data stored in said work memory.

15. The printer according to Claim 14, further comprising one or more compression/decompression unit(s) that compress image data input from said processing area, decompress compressed image data and output decompressed image data to said processing area.

16. The printer according to Claim 15, wherein said expansion memory stores image data compressed by said compression/decompression unit(s).